

Application No. 10/565,697

December 9, 2009

Further to the Amendment filed on December 1, 2009

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-6 (canceled).

Claim 7 (previously presented): A reader/writer comprising:
an antenna substrate provided with a loop antenna;
a control substrate provided with a coil and with a transmitting/receiving circuit;
and
a case; wherein
a magnetic coupling between the coil and the loop antenna causes the loop antenna and the transmitting/receiving circuit to be electromagnetically connected to each other;
the control substrate and the antenna substrate are fixed on the case;
the coil is arranged on a portion of the control substrate so as to face the antenna substrate with a space therebetween;
a magnetic sheet is arranged on a portion of a surface of the antenna substrate so as to face a portion of the control substrate, and the coil and the loop antenna are magnetically coupled through the space between the coil and the antenna substrate.

Claim 8 (previously presented): The reader/writer according to Claim 7, wherein the coil provided on the control substrate is positioned inside an inner portion of the loop antenna and adjacent to the inner portion of the loop antenna.

Claim 9 (withdrawn): The reader/writer according to Claim 7, wherein the antenna substrate is provided with an opening inside the loop antenna and an upper

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portion of the coil is disposed to extend through the opening.

Claim 10 (withdrawn): The reader/writer according to Claim 7, wherein a plurality of coils are located on the control substrate.

Claim 11 (withdrawn): The reader/writer according to Claim 10, wherein magnetic sheets are fixed on the control substrate surrounding the coils, and magnetic sheets are fixed on a surface of the antenna substrate facing the control substrate.

Claim 12 (withdrawn): The reader/writer according to Claim 10, wherein the coils provided on the control substrate have opposite polarities.

Claim 13 (withdrawn): The reader/writer according to Claim 7, wherein the coil includes a transversely wound coil provided on the control substrate.

Claim 14 (withdrawn-currently amended): A mobile communication apparatus comprising:

the a reader/writer according to Claim 7 including:

an antenna substrate provided with a loop antenna;

a control substrate provided with a coil and with a transmitting/receiving circuit; and

a case; wherein

a magnetic coupling between the coil and the loop antenna causes the loop antenna and the transmitting/receiving circuit to be electromagnetically connected to each other;

the control substrate and the antenna substrate are fixed on the case; and

the coil is arranged on a portion of the control substrate so as to face the antenna substrate with a space therebetween;

a magnetic sheet is arranged on a portion of a surface of the antenna

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substrate so as to face a portion of the control substrate, and the coil and the loop antenna are magnetically coupled through the space between the coil and the antenna substrate.

Claim 15 (withdrawn): The mobile communication apparatus according to Claim 14, comprising a package including an opening and a lid member that can be fitted in the opening, the package including the control substrate arranged at a position facing the opening, and the lid member including the antenna substrate.